CLAIMS

What is claimed is:

- 1. A fluid filter comprising:
 - a housing having an end portion with a first aperture;
- a center portion arranged in said housing and proximate to said end portion, said center portion including a second aperture;
- a valve assembly proximate to said center portion and including a relief valve and an anti-drain back valve, said anti-drain back valve adjacent to said first aperture for selectively blocking said first aperture, and said relief valve adjacent to said second aperture for selective blocking said second aperture; and
- a spring applying a radial force to said relief valve biasing said relief valve towards said center portion.
- 2. The fluid filter according to claim 1, wherein the valve assembly is an elastomeric material.
- 3. The fluid filter according to claim 1, wherein the relief and anti-drain back valves are integrally formed extending continuously from a first terminal end of said relief valve to a second terminal end of said anti-drain back valve.
- 4. The fluid filter according to claim 1, wherein valve assembly includes an axial hole with said spring arranged at least partially in said hole.

- 5. The fluid filter according to claim 1, wherein said valve assembly includes a U-shaped portion defining a recess with an end of said center portion received in said recess, said recess separating said relief and anti-drain back valves.
- 6. The fluid filter according to claim 5, wherein said U-shaped portion seals against said end portion preventing fluid flow past said U-shaped portion between said first and second apertures.
- 7. The fluid filter according to claim 1, wherein said spring is generally conical with a generally circular cross-section.
- 8. The fluid filter according to claim 7, wherein said spring includes a hemielliptical cross-section.
- 9. The fluid filter according to claim 1, including a filter element arranged within said housing and defining a central opening, said center portion comprising a center tube arranged within said central opening, said center tube including a support capturing said spring and maintaining said spring in an axial position.
- 10. The fluid filter according to claim 9, wherein said support member includes an aperture and said spring includes a retainer received in said aperture.

11. The fluid filter according to claim 9, wherein said relief valve seals against an inner surface of said center tube in a closed position in response to said radial force.

12. A fluid filter valve arrangement comprising:

a wall having an opening;

an valve including a longitudinally extending annular lip forming a central hole, said lip selectively blocking said opening; and

a spring at least partially disposed within said hole, said spring generating a radial force on said annular lip biasing said lip towards said wall.

- 13. The valve arrangement according to claim 12, wherein said wall is generally cylindrical.
- 14. The valve arrangement according to claim 13, wherein said wall is a center tube for supporting a filter element.
- 15. The valve arrangement according to claim 12, wherein spring is concave with a generally circular cross-section.
- 16. The valve arrangement according to claim 15, wherein said spring includes a hemi-elliptical cross-section.
- 17. The valve arrangement according to claim 12, wherein spring includes multiple spaced apart longitudinally extending slots adjacent to said lip forming flexible fingers.

- 18. The valve arrangement according to claim 12, wherein said valve includes a radially inwardly extending shoulder supporting an end of said spring.
- 19. The valve arrangement according to claim 12, wherein said spring includes an opening for permitting fluid flow through said spring.
- 20. The valve arrangement according to claim 12, wherein said valve includes another annular lip extending in a direction transverse to said annular lip, said annular lips contiguous with one another.